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WHAT IS CLAIMED IS:

1. A protective covering comprising at least a two-layer coating build-up wherein

the first coating comprises a two-component polyurethane adhesion promoter (primer) containing alkoxysilyl groups and

the second coating comprises an inorganic or organic coating or an inorganic-organic hybrid coating.

- 2. The protective covering of Claim 1 wherein the twocomponent polyurethane adhesion promoter comprises
 - a hardener component (A), comprising an addition product of at least one organic polyisocyanate (B) with an average NCO functionality of 2.5 to 5.0 and an isocyanate content of 8 to 27 wt.% and an alkoxysilane (C) with at least one group which is reactive towards isocyanate groups, of formula (I)

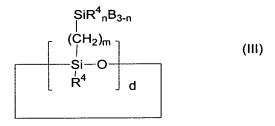
$$Q-Z-SiX_aY_{3-a}$$
 (I),

in which

- 20 Q represents an isocyanate-reactive group,
 - Z represents a linear or branched C_1 - C_{12} -alkylene group,
 - X represents a hydrolyzable group,
 - Y represents identical or different C₁-C₄-alkyl groups, and
 - a represents an integer from 1 to 3,
- 25 and
 - II) a paint resin (D) which is reactive towards isocyanate groups.
 - 3. The protective covering of Claim 2 wherein
 - Q represents OH, SH or NHR₁, wherein R₁ represents a C₁-C₁₂-alkyl group, a C₆-C₂₀-aryl group or -Z-SiX_aY_{3-a},
- 30 4. The protective covering of Claim 2 wherein
 - Z represents a linear or branched C₁-C₄-alkylene group,

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- 5. The protective covering of Claim 2 wherein represents a C₁-C₄-alkoxy,
- 6. The protective covering of Claim 1 wherein the second5 coating comprises an inorganic coating.
 - 7. The protective covering of Claim 1 wherein the second coating comprises an organically modified inorganic coating.
 - 8. The protective covering of Claim 7 wherein the organically modified coating comprises at least one multifunctional, cyclic carbosiloxane of the general formula (III)



in which

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- R^4 independently of one another represents a C_1 - C_{18} -alkyl group and/or a C_6 - C_{20} -aryl group, wherein
- B represents a radical chosen from the group consisting of OH, C_1 - C_4 -alkoxy, C_6 - C_{20} -aryloxy and C_1 - C_6 -acyloxy, preferably OH, methoxy or ethoxy,
- d is 3 to 6,
- n is 0 to 2 and
- m is 2 to 6, and/or a (partial) condensation product thereof.
- 9. The protective covering of Claim 8 wherein B represents OH, methoxy, or ethoxy.

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- 10. A process for the production of a protective covering comprising applying in a first step a two-component polyurethane adhesion promoter (primer) containing alkoxysilyl groups and applying in a second step an inorganic or organic coating or inorganic-organic hybrid coating to a substrate.
- 11. The process of Claim 10 further comprising applying in a further step a third coating on the substrate.
- 12. The process of Claim 10 wherein the substrate comprises a metal, a glass, or a polymer.
- 13. The process of Claim 10 wherein the substrate comprises polycarbonate, polymethyl methacrylate, polystyrene, polyvinyl chloride, polyvinylcyclohexane and copolymers thereof, polyimide, ABS or blends thereof.
- 14. A substrate comprising at least one protective covering of15 Claim 1.